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ABSTRACT

In this report, an analysis is made of the academic achievement of 755 new transfers from Pasadena City College at the University of California. The time period covered was from fall 1966 to spring 1972. Three tables comprise the major portion of the report. Table I details the cumulative GPA's earned by all new Pasadena City College transfers at each institution. In Table 2, the cumulative GPA's for the first three quarters of each year at each institution are listed. The mean GPA's for all new community college transfers for the fall quarter at the University of California during 1967-1971 are given in Table 3. The report concludes with a summary and comments. (DB)

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AN ANALYSIS OF
ACADEMIC SUCCESS OF
NEW PASADENA CITY COLLEGE TRANSFERS
at
UNIVERSITY OF CALIFORNIA
Fall 1966 - Spring 1972

IR 8/73/120

Office of Institutional Research
Pasadena City College

August 1973

JC 740 367

AN ANALYSIS OF
ACADEMIC SUCCESS OF
NEW PASADENA CITY COLLEGE TRANSFERS
at
UNIVERSITY OF CALIFORNIA
Fall 1966 - Spring 1972

For several years it has been the policy of the University of California to report to Community Colleges academic success of new students only. Grade reports have covered only the first three quarters of each student's enrollment.

This report concerns the academic achievement of 755 new transfers from Pasadena City College at the University of California. The period covered is from fall 1966 to spring 1972.

Grade reports were divided into two groups for purposes of data analysis. One group consisted of all transfers who were eligible for entrance into the University of California at time of high school graduation. The second group was composed of transfers ineligible for the University of California at high school graduation.

Major Findings

1. Mean GPA Differential

No. of Students	Mean Entrance GPA	Mean Cumulative UC GPA	GPA Differential
755	2.930	2.693	- .237

2. GPA Differential by Eligibility

	No. of Students	Mean Entrance GPA	Mean Cumulative UC GPA	GPA Differential
Eligible from High School	454	2.982	2.735	- .247
Ineligible from High School	301	2.853	2.630	-.223

3. Comparison with All New Community College Transfers

	Mean Entry GPA	Mean UC GPA	Mean GPA Differential
All Community College Transfers	2.985	2.649	- .336
Pasadena City College Transfers	2.930	2.693	- .237

ANALYSIS
of
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Table I details the cumulative GPA's earned by all new Pasadena City College transfers at each institution from fall 1966 through spring 1972.

Example: At Berkeley a total of 99 students were reported to have enrolled during the six year period. Only 79 were charged to Pasadena City College, earning a -.234 differential.

Of the 79, 42 who were eligible for entrance to the University at high school graduation earned a -.257 differential. The 37 who were not eligible earned a -.209 differential.

Over a six year period 1,008 students enrolled at the eight campuses of the University of California, 755 of whom were charged to Pasadena City College for GPA calculations. (See bottom Table I for explanation of term "charged".)

The Los Angeles campus enrolled 50% of the transfers (504 of 1,008), and charged 375 of the 755 (49.7%).

Cumulative GPA differentials were negative at all campuses, ranging from -.077 at Irvine to -.322 for Santa Barbara.

The 454 transfers who were eligible from high school had a higher negative GPA differential than the 301 not eligible (-.247 to -.223).

Table II lists cumulative GPA's for the first three quarters of each year at each institution. Table I was derived from Table II.

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TABLE I
CUMULATIVE THREE QUARTERS
GPA DIFFERENTIALS FOR
NEW PASADENA CITY COLLEGE TRANSFERS
AT UNIVERSITY OF CALIFORNIA
Fall 1966 - Spring 1972

Institution	Total Students Entered	ALL STUDENTS CHARGED TO PASADENA CITY COLLEGE * Total No.	Entry GPA	GPA UC	Differential	ELIGIBLE FROM HIGH SCHOOL Total No.	Entry GPA	GPA UC	Differential	NOT ELIGIBLE FROM HIGH SCHOOL Total No.	Entry GPA	GPA UC	Differential
Berkeley	99	79	3.006	2.772	- .234	42	3.042	2.785	- .257	37	2.965	2.756	- .209
Davis	24	24	2.883	2.751	- .132	18	2.875	2.774	- .101	6	2.907	2.682	- .225
Irvine	82	62	2.855	2.778	- .077	41	2.894	2.758	- .136	21	2.778	2.818	+ .040
Los Angeles	504	375	2.935	2.688	- .247	227	2.988	2.722	- .266	148	2.856	2.637	- .219
Riverside	57	36	3.065	2.910	- .155	21	3.203	3.105	- .098	15	2.871	2.638	- .233
San Diego	24	20	3.081	2.895	- .186	19	3.083	2.882	- .201	1	3.051	3.142	+ .091
Santa Barbara	186	158	2.865	2.543	- .322	85	2.921	2.592	- .329	73	2.799	2.486	- .313
Santa Cruz	32	1	3.396	3.500	+ .104	1	3.396	3.500	+ .104	-	-	-	-
TOTAL/AVERAGE	1,008	755	2.930	2.693	- .237	454	2.982	2.735	- .247	301	2.853	2.630	- .223

* Transfer students are charged to institution of last attendance provided the student was: (1) Not admitted by "special action", (2) Did not withdraw before completing a course, (3) Did not receive all F grades. Only grade reports for students charged to Pasadena City College were used in this Table.

Cumulative GPA's in this Table were derived from yearly GPA's listed in Table II.

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CUMULATIVE GPA'S EARNED BY NEW PASADENA CITY COLLEGE TRANSFERS
DURING FIRST THREE QUARTERS AT
UNIVERSITY OF CALIFORNIA
BY YEAR AND INSTITUTION

TABLE II

Year and Institution	ALL STUDENTS				ELIGIBLE FROM HIGH SCHOOL				INELIGIBLE FROM HIGH SCHOOL			
	No. Entering	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential
BERKELEY													
1966-67	-	-	-	-	-	-	-	-	-	-	-	-	-
1967-68	23	17	2.933	2.679	-.254	11	2.980	2.664	-.316	6	2.858	2.706	-.152
1968-69	24	17	2.921	2.554	-.367	11	2.940	2.620	-.320	6	2.894	2.415	-.479
1969-70	5	4	2.951	2.747	-.204	3	3.120	2.744	-.376	1	2.428	2.756	+.328
1970-71	26	21	2.991	3.018	+.027	11	3.108	3.104	-.004	10	2.855	2.926	+.071
1971-72	21	20	3.164	2.784	-.380	6	3.183	2.748	-.435	14	3.158	2.802	-.356
TOTAL/AVERAGE	99	79	3.006	2.772	-.234	42	3.042	2.785	-.257	37	2.965	2.756	-.209
DAVIS													
1966-67	4	4	2.332	2.285	-.047	3	2.261	2.343	+.082	1	2.545	2.033	-.512
1967-68	2	2	2.895	3.362	+.467	2	2.895	3.362	+.467	-	-	-	-
1968-69	6	6	2.906	2.739	-.167	5	2.977	2.731	-.246	1	2.653	2.780	+.127
1969-70	2	2	3.026	2.692	-.334	1	3.120	2.958	-.162	1	2.928	2.457	-.471
1970-71	4	4	2.957	2.537	-.420	4	2.957	2.537	-.420	-	-	-	-
1971-72	6	6	3.062	3.039	-.023	3	3.112	3.138	+.026	3	3.016	2.941	-.075
TOTAL/AVERAGE	24	24	2.883	2.751	-.132	18	2.875	2.774	-.101	6	2.907	2.682	-.225
IRVINE													
1966-67	10	8	2.819	2.743	-.076	6	2.849	2.683	-.166	2	2.734	2.909	+.175
1967-68	11	11	2.799	2.471	-.328	6	2.691	2.290	-.401	5	2.904	2.670	-.234
1968-69	8	8	2.816	2.842	+.026	7	2.866	2.687	-.179	1	2.508	3.666	+1.158
1969-70	13	10	2.890	3.061	+.171	5	3.000	2.976	-.024	5	2.791	3.136	+.345
1970-71	23	12	2.885	2.866	-.019	12	2.885	2.866	-.019	-	-	-	-
1971-72	17	13	2.902	2.767	-.135	5	3.150	3.031	-.119	8	2.737	2.583	-.154
TOTAL/AVERAGE	82	62	2.855	2.778	-.077	41	2.894	2.758	-.136	21	2.778	2.818	+.040

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TABLE II
(Continued)

CUMULATIVE GPA'S EARNED BY NEW PASADENA CITY COLLEGE TRANSFERS
DURING FIRST THREE QUARTERS AT UNIVERSITY OF CALIFORNIA
BY YEAR AND INSTITUTION

Year and Institution	ALL STUDENTS				ELIGIBLE FROM HIGH SCHOOL				INELIGIBLE FROM HIGH SCHOOL			
	No. Entering	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential
LOS ANGELES													
1966-67	99	79	2.835	2.530	-.305	49	2.856	2.539	-.317	30	2.802	2.515	-.287
1967-68	100	82	2.941	2.757	-.184	56	2.959	2.755	-.204	26	2.904	2.762	-.142
1968-69	58	50	2.881	2.742	-.139	32	2.909	2.699	-.210	18	2.839	2.812	-.027
1969-70	76	64	2.937	2.718	-.219	33	3.109	2.886	-.223	31	2.756	2.551	-.205
1970-71	40	33	3.117	2.851	-.266	24	3.121	2.877	-.244	9	3.107	2.785	-.322
1971-72	131	67	2.996	2.640	-.356	33	3.093	2.684	-.409	34	2.899	2.597	-.302
TOTAL/AVERAGE	504	375	2.935	2.688	-.247	227	2.988	2.722	-.266	148	2.856	2.637	-.219
RIVERSIDE													
1966-67	10	9	2.943	2.730	-.213	5	3.154	2.869	-.285	4	2.760	2.562	-.198
1967-68	5	3	3.275	3.550	+.275	2	3.455	3.385	-.070	1	2.915	4.000	+1.085
1968-69	7	2	2.822	1.839	-.983	1	3.070	3.297	+.227	1	2.548	.784	-1.764
1969-70	12	9	3.008	2.782	-.226	6	3.187	3.044	-.143	3	2.710	2.288	-.422
1970-71	10	5	2.971	3.214	+.243	4	3.007	3.082	+.075	1	2.841	3.691	+.850
1971-72	13	8	3.230	3.041	-.189	3	3.455	3.398	-.057	5	3.117	2.798	-.319
TOTAL/AVERAGE	57	36	3.065	2.910	-.155	21	3.203	3.105	-.098	15	2.871	2.638	-.233
SAN DIEGO													
1966-67	4	2	3.107	2.913	-.194	2	3.107	2.913	-.194	-	-	- -	-
1967-68	4	4	3.098	3.024	-.074	4	3.098	3.024	-.074	-	-	-	-
1968-69	2	2	3.105	2.825	-.280	2	3.105	2.825	-.280	-	-	-	-
1969-70	2	2	3.035	2.882	-.153	2	3.035	2.882	-.153	-	-	-	-
1970-71	6	5	3.222	2.731	-.491	4	3.266	2.670	-.596	1	3.051	3.142	+.091
1971-72	6	5	2.926	2.950	+.024	5	2.926	2.950	+.024	-	-	-	-
TOTAL/AVERAGE	24	20	3.081	2.895	-.186	19	3.083	2.882	-.201	1	3.051	3.142	+.091

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TABLE II
(Continued)

CUMULATIVE GPA'S EARNED BY NEW PASADENA CITY COLLEGE TRANSFERS
DURING FIRST THREE QUARTERS AT UNIVERSITY OF CALIFORNIA
BY YEAR AND INSTITUTION

Year and Institution	ALL STUDENTS				ELIGIBLE FROM HIGH SCHOOL				INELIGIBLE FROM HIGH SCHOOL			
	No. Entering	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential	No. Charged	Entry GPA	GPA UC	Differential
SANTA BARBARA													
1966-67	42	36	2.775	2.512	-.263	26	2.746	2.460	-.286	10	2.839	2.630	-.209
1967-68	19	17	2.800	2.514	-.286	6	3.006	2.561	-.445	11	2.695	2.488	-.207
1968-69	35	33	2.819	2.475	-.344	15	2.846	2.571	-.275	18	2.795	2.388	-.407
1969-70	32	26	2.912	2.731	-.181	17	3.033	2.766	-.267	9	2.693	2.662	-.031
1970-71	29	21	2.960	2.644	-.316	7	3.026	2.792	-.234	14	2.926	2.561	-.365
1971-72	29	25	2.942	2.439	-.503	14	3.100	2.560	-.540	11	2.795	2.274	-.521
TOTAL/AVERAGE	186	158	2.865	2.543	-.322	85	2.921	2.592	-.329	73	2.799	2.486	-.313
SANTA CRUZ *													
1966-67	9	0											
1967-68	3	0											
1968-69	3	0											
1969-70	4	1	3.396	3.500	+.104	1	3.396	3.500	+.104	-	-	-	-
1970-71	5	0											
1971-72	8	0											
TOTAL/AVERAGE	32	1	3.396	3.500	+.104	1	3.396	3.500	+.104	-	-	-	-

* Santa Cruz uses the "passed - not passed" grading system.

The University of California furnished a summary of academic success of new transfers from all community colleges for fall quarter only of each year.

Table III lists that data, making possible the following comparison between Pasadena City College and all community colleges.

	ELIGIBLE FROM HIGH SCHOOL		
	Mean Entry GPA	Mean UC GPA	GPA Differential
All Community College Transfers	3.060	2.720	-.340
Pasadena City College Transfers	2.982	2.735	-.247
Difference	.078	.015	.093

	NOT ELIGIBLE FROM HIGH SCHOOL		
	Mean Entry GPA	Mean UC GPA	GPA Differential
All Community College Transfers	2.910	2.580	-.330
Pasadena City College Transfers	2.853	2.630	-.223
Difference	.057	.050	.107

Both eligible and ineligible groups of Pasadena City College transfers entered the University of California with lower mean GPA's, and earned higher mean GPA's at the University, than comparable groups from all community colleges.

The mean University of California GPA difference between Pasadena City College and all community college transfers' was larger for ineligible than eligible group (.050, .015).

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MEAN GPA'S FOR ALL NEW COMMUNITY COLLEGE TRANSFERS
FOR FALL QUARTER AT UNIVERSITY OF CALIFORNIA
1967-1971

TABLE III

	MEAN ENTERING GPA		MEAN UNIVERSITY GPA		MEAN DIFFERENTIAL	
	Eligible	Ineligible	Eligible	Ineligible	Eligible	Ineligible
Fall 1971	3.15	3.01	2.85	2.70	-.30	-.31
Fall 1970	3.09	2.97	2.83	2.69	-.26	-.28
Fall 1969	3.03	2.82	2.73	2.57	-.30	-.25
Fall 1968	3.02	2.87	2.62	2.51	-.40	-.36
Fall 1967	3.03	2.86	2.58	2.41	-.45	-.45
Fall 1966	Data Not Available					
Average	3.06	2.91	2.72	2.58	-.34	-.33

SUMMARY AND COMMENTS

1. According to the number of grade reports received, the eight campuses of the University of California enroll approximately 9% of students who transfer from Pasadena City College to four year institutions. An unduplicated count of grade reports received in 1972 was as follows:

Type of Institution	No. of Grade Reports	Per Cent of Grade Reports
California State College-University System	2,007	85
University of California	219	9
All Other	150	6

2. The following data concern students charged by University of California to Pasadena City College from fall 1966 through spring 1972.

   a. 74.9% (755 of 1,008) transfers were charged.

   b. 49.7% were attending University of California at Los Angeles.

   c. Excluding Santa Cruz, the per cent of transfers charged by each campus ranged from a low of 63% at Riverside to a high of 100% at Davis.

   d. 60% of the charged were eligible from high school, 40% were ineligible.

3. Although both eligible and ineligible groups posted negative GPA differentials in their first three quarters, the differential of the ineligible was smaller.

	Mean Entry GPA	Mean Cumulative UC GPA	GPA Differential
Eligible	2.982	2.735	-.247
Ineligible	2.853	2.630	-.223
Difference	.129	.105	.024

The mean difference between the two groups in entry GPA was .129 in favor of eligibles. The difference between two groups in cumulative GPA's earned at the University was reduced to .105 in favor of eligibles - the gap was narrowed by .024 GPA.

The ineligible group, in spite of apparent poorer academic performance in

high school, began to "catch up" to the eligible at the University. This, coupled with the fact that the Pasadena City College ineligible group earned a higher University of California GPA advantage over their community college counterparts than did the Pasadena City College eligibles over theirs, could indicate effective preparation at Pasadena City College for upper division work.

4. An adequate basis for comparing academic success of Pasadena City College transfers at University of California with those enrolled in California State College-University System is not readily available. The following data, however, offer a comparison of their GPA's for the period 1966-1972:

Type of Four Year Institution	No. of PCC Transfers	Mean Entry GPA	GPA At Four Year Institution	Differential
University of California (New Students Only)	755	2.930	2.693	-.237
California State College-University System *	1,798	2.550	2.700	+.150
Difference		.380	.007	.387

On the basis of the above GPA differentials, students attending California State University-College System appear to have been more academically successful than those enrolling at the University of California. However, two cautions should temper this interpretation:

A. The high negative differential (-.237) earned by transfers to University of California (in contrast to +.150 at California State College-University) is due mainly to their higher entry GPA (+.380). Actually the difference between GPA's earned by the two groups at four year institutions was only .007.

B. GPA' earned at University of California were based on first three quarters performance only, whereas GPA's for California State College-University were determined from time of entry until graduation. It is very possible transfers to University of California were handicapped by

* See IR7/73/17 for details

being evaluated while under effects of the "transfer syndrome". Evidence indicates GPA's earned at California State College-University System increase with increase in college grade level. (Reference IR7/73/17.) Further investigation is needed to determine the relationship between grade level increase and cumulative GPA at University of California.

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OCT 25 1974

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